

Title (en)  
Spring applied parking brake assembly having a manual quick release feature

Title (de)  
Federkraftbetätigte Feststellbremse und Schnellösevorrichtung

Title (fr)  
Actuateur de frein de stationnement à ressort avec détente rapide manuel

Publication  
**EP 1127765 A3 20030813 (EN)**

Application  
**EP 01102921 A 20010208**

Priority  
US 51116400 A 20000224

Abstract (en)  
[origin: EP1127766A2] A spring applied parking brake assembly for a railway vehicle is provided which automatically activates upon removal of a railway car from the pneumatic braking system of the railway vehicle. The spring applied parking brake assembly comprises a casing which is mounted on or within the braking system, typically alongside the air cylinder. This casing contains a spring member and a piston assembly, both of which are mounted for longitudinal movement within the casing upon the application and/or removal of pneumatic pressure within the casing. The piston assembly includes a piston rod which is associated with the force transfer lever of the braking system such that upon a removal of pneumatic pressure within the casing, longitudinal movement of the piston rod causes this force transfer lever to rotate and apply a force to at least one force transmitting member in the vehicle braking system to initiate a brake application. An arrangement or system for installing the spring applied parking brake assembly within a railway vehicle braking system is also provided.

IPC 1-7  
**B60T 17/08**; **B60T 7/08**

IPC 8 full level  
**B60T 13/38** (2006.01); **B60T 7/08** (2006.01); **B60T 17/08** (2006.01); **B61H 13/02** (2006.01); **B61H 13/20** (2006.01); **F16D 65/22** (2006.01)

CPC (source: EP US)  
**B60T 7/08** (2013.01 - EP US); **B60T 17/083** (2013.01 - EP US); **B61H 13/02** (2013.01 - EP US)

Citation (search report)  
• [XY] US 4279332 A 19810721 - MORGAN GLENN, et al  
• [Y] EP 0875433 A2 19981104 - WESTINGHOUSE AIR BRAKE CO [US]  
• [Y] US 5069312 A 19911203 - KANJO WAJIH [US], et al

Cited by  
CN104176085A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1127766 A2 20010829**; **EP 1127766 A3 20030813**; **EP 1127766 B1 20070808**; AU 1672701 A 20010830; AU 775266 B2 20040729; BR 0100643 A 20011009; CA 2331711 A1 20010824; CN 1312198 A 20010912; DE 60129757 D1 20070920; DE 60129757 T2 20080605; EP 1127765 A2 20010829; EP 1127765 A3 20030813; JP 2001270433 A 20011002; MX PA01001948 A 20030515; US 6378668 B1 20020430; ZA 200100981 B 20010808

DOCDB simple family (application)  
**EP 01103946 A 20010219**; AU 1672701 A 20010130; BR 0100643 A 20010220; CA 2331711 A 20010122; CN 01104768 A 20010223; DE 60129757 T 20010219; EP 01102921 A 20010208; JP 2001049153 A 20010223; MX PA01001948 A 20010223; US 51116400 A 20000224; ZA 200100981 A 20010205